



Name: _____

Mr. Tiénou-Gustafson & Mr. Biemeier

Geometry, Period _____

Due Date: Dec 2, 2014

HW65_SimplifyingRadicals

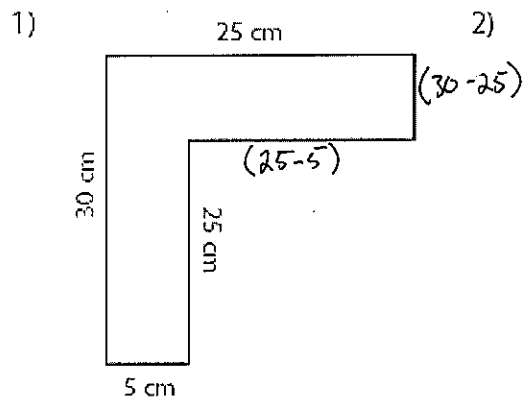
**Geometry
Homework**

Form A

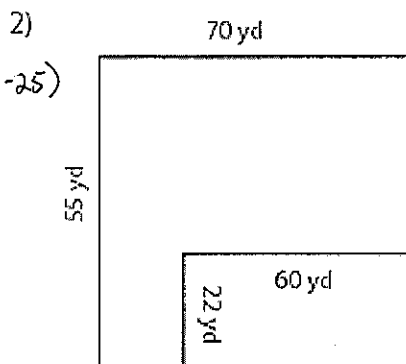
Simplify the following problems. You MUST show all work. Failure to do so will result in a LaSalle

1. $\sqrt{12}$ $\sqrt{3 \cdot 4}$ $\sqrt{3 \cdot 2^2}$ $2\sqrt{3}$ $\begin{matrix} 1, 12 \\ 2, 6 \\ \boxed{3, 4} \end{matrix}$	2. $\sqrt{81}$	3. $\sqrt{45}$
4. $\sqrt{x^2}$	5. $\sqrt{x^4}$ $\sqrt{x^2 \cdot x^2}$ $\begin{matrix} x \cdot x \\ \boxed{x^2} \end{matrix}$	6. $\sqrt{125x^2}$
7. $\sqrt{12n^2}$	8. $\sqrt{49b}$	9. $\sqrt{16x^2}$
10. $\sqrt{63t^4}$	11. $\sqrt{162n^2}$	12. $\sqrt{60m^8}$
13. $\sqrt{20v^3}$	14. $\sqrt{25x^2y}$	15. $\sqrt{90r^4h^3}$
16. $2\sqrt{81w^3a^4}$	17. $-\sqrt{15j}$	18. $-3\sqrt{44x^2y^4}$

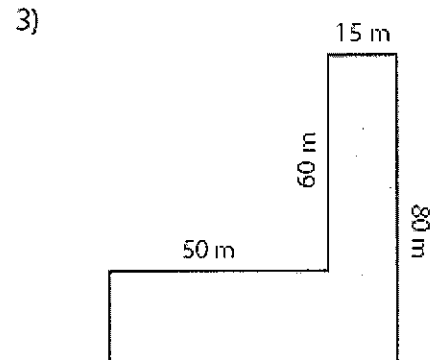
Find the area and perimeter of each shape.



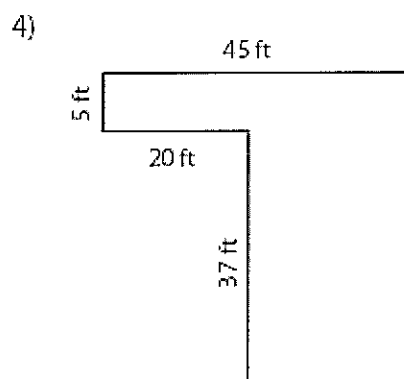
Area: _____
Perimeter: _____



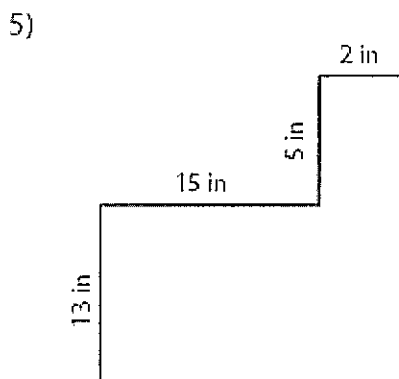
Area: _____
Perimeter: _____



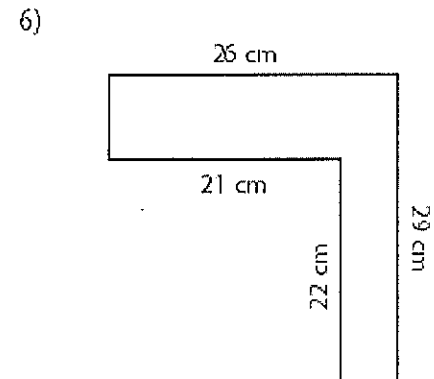
Area: _____
Perimeter: _____



Area: _____
Perimeter: _____



Area: _____
Perimeter: _____



Area: _____
Perimeter: _____